CLASSIFICATION:

EX	KHIBIT R-2, RDT&E BI	udget Item Justifica	ation				DATE:			
		•						Febr	uary 2002	
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NO	MENCLATURE				
RESEARCH DEVELOPMENT TEST & EVALU	JATION, NAVY /	BA-5			0604214N / A	V-8B AIRCRAF	=T			
	Prior									Total
COST (\$ in Millions)	Year Cost	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Program
Total PE Cost	1,608.707	28.134	30.723	18.565	13.253	6.997	7.108	7.229		1,720.716
H0652 AV-8B	1,499.125	6.187	24.754	16.426	13.253	6.997	7.108	7.229		1,581.079
H2634 AV-8B (OSCAR)	109.582	21.947	5.969	2.139)					139.637
										ı
										1
Quantity of RDT&E Articles Not Applicable										

- (U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:
- (U) (H0652) The program provides AV-8B Design, Development, Integration and Test of the following improvements, including: The Engine Life Management Program (ELMP), Zero Retention Force (ZRF), Escape System, Joint Mission Planning System, and Tactical Aircraft Moving Map Capability. The Engine Life Management Program (ELMP) provides safety of flight and operational readiness improvements for the F402-RR-408 Engine. The Escape System will qualify an improved ejection seat to reduce the risk of injury to aircrew. The Zero Retention Force Solenoid will be interchangeable with the SA-122 on all AV-8B models to provide reliable and dependable operation for in-flight selectability safe ordinance jettison. The Joint Mission Planning System (JMPS) is required as part of the DON directed migration to a common Navy and Marine Corps mission planning system. The Self Contained Approach (SCA) will provide the capability to decelerate and hover Instrument Meterological Conditions and will direct pilot to proper conditions vice situational guidance. The Tactical Aircraft Moving Map Capability (TAMMAC) is the avionics system that will replace the aging/obsolete AN/ASQ-196 digital map set and the AN/ASQ-194 data storage set presently installed. Advanced weapons coordination includes requirements and interface liaison with efforts such as Joint Stand-Off Weapon (JSOW), AIM-9X, Digital Multiple Carriage Bomb Rack (DMCBR), Advanced Expendables and Electronic Warfare suite upgrades.
- (U) (H2634) The program provides AV-8B Integration and Test of the following improvements, including: Open System Core Avionics Requirement (OSCAR), Joint Direct Attack Munition (JDAM), HAVEQUICK SINCGARS, and Advanced Mission Computer (AMC). The Open System Core Avionics Requirement (OSCAR) is a form-fit-function replacement of the existing AV-8B mission and stores management computers that would capitalize on commercial-off-the-shelf hardware components and modular high order software language which will provide the necessary computer memory and throughput to integrate current modifications such as JDAM and HAVEQUICK/SINCGARS. On 7 Oct 96 ASN (RD&A) directed the Program Manager to proceed immediately with the OSCAR initiative. On 4 Sep 98, Special Assistant to ASN(RDA) approved OSCAR program restructuring with capitalization on the Advanced Mission Computer (AMC). The title of the Operational Flight Program (OFP) software development effort which integrates the Joint Direct Attack Munitions (JDAM) and HAVEQUICK/SINCGARS into the AV-8B was changed from C2.0 to OC 1.2 to reflect the change of effort in accordance with the ASN (RDA) approved AV-8B Open System Core Avionics Requirements (OSCAR) initiative. OSCAR completed first flight 29 May 1998. Successfully completed Iteration 4 and 5 flight testing and commenced Iteration 6 in first quarter FY01 for OC1.1. Starting flight testing of OC1.2 in fourth quarter of FY01 to continue through to third quarter FY02.
- (U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ENGINEERING & MANUFACTURING DEVELOPMENT to encompass engineering and manufacturing development of new end items prior to the production approval decision.

CLASSIFICATION:

	EXHIBIT R-2a,	RDT&E Pro	ject Justifica	tion				DATE:			
									Febru	uary 2002	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM EL	LEMENT NUME	BER AND NAM	ΙE	PROJECT NU	MBER AND N	AME			
RDT&E, N / BA-5	[&E, N / BA-5 0604214N / AV-8B AIRCRAFT H0652 / AV-8B										
						Total					
COST (\$ in Millions)	Year Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Program
Project Cost 1,499.125 6.187 24.754						13.253	6.997	7.108	7.229		1,581.079
RDT&E Articles Qty	DT&E Articles Qty										

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The program provides AV-8B Integration and Test of the following improvements, including: Engine Life Management Program (ELMP), Ejection Seat, Zero Retention Force (ZRF), Tactical Aircraft Moving Map Capability (TAMMAC) and Aircraft handling performace improvements. The Engine Life Management Program (ELMP) provides safety of flight and operational readiness improvements for the F402-RR-408 Engine. The Escape System will qualify a new an improved ejection seat to reduce the risk of injury to aircrew. The Zero Retention Force Solenoid will be interchangeable with the SA-122 on all AV-8B models to provide reliable and dependable operation for in-flight selectability safe ordinance jettison. The Joint Mission Planning System (JMPS) is required as part of the DON directed migration to a common Navy and Marine Corps mission planning system. The Self Contained Approach (SCA) will provide the capability to decelerate and hover Instrument Meterological Conditions and will direct pilot to proper conditions vice situational guidance. The Tactical Aircraft Moving Map Capability (TAMMAC) is the avionics system that will replace the aging/obsolete AN/ASQ-196 digital map set and the AN/ASQ-194 data storage set presently installed. A/C Handling and peformance is all engineering activities for development and design to support aircraft safety flight clearance and concept exploration to support POM objectives.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS (\$K):

- 1. FY 2001 ACCOMPLISHMENTS:
 - (U) (\$0.250) Continued aircraft handling and performance investigations to improve safety and increase operational performance.
 - (U) (\$2.997) Commenced design, development, and integration of the AV-8B JMPS.
 - (U) (\$2.940) Continued design, development, and testing of the Escape System Performance upgrade.

2. FY 2002 PLANS:

- (U) (\$2.919) Continue aircraft handling and performance investigations to improve safety and increase operational performance.
- (U) (\$5.494) Commence analysis and integration to improve safety of flight and operational readiness of the AV-8B Engine Life Management Program (ELMP).
- (U) (\$2.085) Continue design, development, and integration of the AV-8B JMPS.
- (U) (\$5.510) Commence design, development, and integration of the AV-8B Zero Retention Force (ZRF) solenoid Harrier Action Review Panel (HARP) initiative.
- (U) (\$7.940) Commence development and test of the SCA project.
- (U) (\$0.806) Portion of external program reserved for Small Business Innovation Research (SBIR) assessment in accordance with 15 USC 638

3. FY 2003 PLANS:

- (U) (\$4.172) Continue aircraft handling and performance investigations to improve safety and increase operational performance.
- (U) (\$8.384) Continue analysis and integration to improve safety of flight and operational readiness of the AV-8B Engine Life Management Program (ELMP).
- (U) (\$2.590) Continue design, development, and integration of the AV-8B JMPS.
- (U) (\$1.280) Continue development and test of the SCA project.

CLASSIFICATION:

PROPRIATION/BUD PROBLET N / B. PROGRAM CHAI	BA-5	PROGRAM ELEI 0604214N / AV-8	MENT NUMBE	D AND NAME					February 2002
B. PROGRAM CHAI	BA-5		INICINI INCINIDE			PROJECT NUM	DED AND NAM	1 ⊏	
B. PROGRAM CHAI		10604214N / AV-8		R AND NAME			BER AND NAM	/IE	
	NOT OUR MARRY	000 121 1117711 0	BB AIRCRAFT			H0652 / AV-8B			
EV 2002 President's	NGE SUMMARY:								
EV 2002 President's		FY2001	FY2002	FY2003					
		6.188	26.875						
	ne President's Budget:	-0.001	-2.121						
FY 2003 President's	s Budget Submit:	6.187	24.754	16.426					
HANGE SUMMARY	EXPLANATION:								
	The FY2001 decrease of \$0 Navy and decrease of \$0.221				the Navy.	The FY2002 de	crease of \$2.1	21M reflects a dec	crease of \$1.9M for reprioritization of
			_		A 000 IMP				
(U) Schedule:	The FY2001 AVJMPS CDR so	chedule change from 30	Q/01 to 1Q/02	was due to PM	A-233 JMPS	Beta six month	slip in delivera	bles and milestones	5.
(U) Technical:	N/A								
(-,									
	AM FUNDING SUMMARY:	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete
Line Item No. 8	<u>x ivame</u>	<u> </u>	F Y 2002	F 1 2003	F Y 2004	F 1 2005	F 1 2006	F 1 2007	<u> 10 Complete</u>
APN BLI 051400,	AV-8B Series Modifications	119.5	73.6	32.2	23.6	27.5	28.0	15.0	40.5
ated RDT&E: P.E. 06	04264N, Aircrew Systems (PMA20	2).							

CLASSIFICATION:

	EXHIBIT R-2a, RDT&E	Project Justification		DATE: February 2002
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND N	NAME	PROJECT NUMBER AND NAME	
DT&E, N / BA-5	0604214N / AV-8B AIRCRAFT		H0652 / AV-8B	
ntegration of projects. Funding for the Esc Management Program (ELMP) will be plac management program issues, and design	efforts under Aircraft Handling provide investigation cape System will qualify an improved ejection seated on a cost type contract to Rolls Royce to addruffixes for any service revealed deficiencies. NAV ract awarded to Raytheon to integrate the solenoin	at design and will be placed on a cost ty ess top readiness degraders, safety of f NCWD, China Lake began integration o	rpe fee contract awarded to UPCO and HAR flight issues, engine removal and mission fa If the AVJMPS program and the SCA progra	CO. Funding for the Engine Life llure drivers, assess life
(U) E. SCHEDULE PROFILE:				
	FY 2001	FY 2002	FY 2003	TO COMPLETE
(U) Program Milestones	1Q/01 AVJMPS PIR/IBR/PDR		3Q/03 Non-Destructive Inspection Complete	2Q/04 AVJMPS Introduction to Fleet
(U) Engineering Milestones	3Q/01 AVJMPS PDR	2Q/02 Begin ZRF Integration 2Q/02 SCA S/W Development 1Q/02 AVJMPS CDR	3Q/03 Fatigue Management System "Module 2" Comp 4Q/03 ZRF CDR 4Q/03 Material Substantiative Comp	
(U) T&E Milestones	1Q/01 Begin Ejection Seat DT-II 3Q/01 Ejection SeatV/V	3Q/02 Initiate ASMET Testing	1Q/03 ELMP Progress Reports 2Q/03 SCA DT 3Q/03 Continue ASMET Testing 4Q/03 SCA OT 4Q/03 AVJMPS OTRR	3Q/03 Continue ASMET Testing 2Q/04 AVJMPS JC1 OT Complete
(U) Contract Milestones		2Q/02 Award ELMP Contract	1Q/03 Award ELMP Contract	1Q/04 Award ELMP Contract 1Q/04 TAMMAC & AVJMPS Integration

R-1 SHOPPING LIST - Item No.

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CLASSIFICATION:

								DATE:				
Exhibit R-3 Cost Analysis (pag	ge 1)									February 200)2	
APPROPRIATION/BUDGET ACTIV	ITY	PROGRAM E				PROJECT NU		NAME				
RDT&E, N / BA-5	_		V-8B AIRCRAF			H0652 / AV-8				_	T	
Cost Categories		Performing Activity & Location	Total PY s Cost		FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Systems Engineering	WX	NAWC-WD CHINA LAKE	19.236	2.998	10/00	5.208	02/02	2.600	10/02	14.606	44.648	
Award Fees	C/CPAF	VARIOUS	0.563			0.872	02/02	0.825	10/02	0.660	2.920	2.920
Systems Engineering	WX	NAWC-AD PAX		0.675	10/00	3.810	02/02	4.056	10/02	1.314	9.855	
Systems Engineering	WX	NAWC-AD NADEP	11.104								11.104	
Contracts	Various	VARIOUS	8.887							6.249	15.136	15.136
Contracts - Ejection Seat	C/CPFF	VARIOUS	0.670	1.969	10/00						2.639	2.639
Contracts - Engine Life Management	Various	VARIOUS				4.985	02/02	7.554	10/02	4.750	17.289	17.289
Contracts-ZRF	C/CPFF	Raytheon/Boeing				7.452	02/02	0.216	10/02		7.668	7.668
Other Prior Costs	Various	VARIOUS	1,360.849								1,360.849	
												_
Subtotal Product Development			1,401.309	5.642		22.327		15.251		27.579	1,472.108	

Remarks: Prior year award fees earned was 96.6%

CLASSIFICATION:

										DATE:				
Exhibit R-3 Cost A	nalysis (pag	e 1)										February 200	02	
APPROPRIATION/BU	DGET ACTIVI	TY		PROGRAM E				PROJECT NU		AME				
RDT&E, N /	BA-5			0604214N / A	V-8B AIRCRA	FT		H0652 / AV-8						
Cost Categories		Method	Performing Activity &		Total PY s	FY 01	FY 01 Award	FY 02	FY 02 Award	FY 03		Cost to	Total	Target Value of Contract
		& Type	Location		Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
							1							
							1							
							-							
Subtotal Support														
ſ														

CLASSIFICATION:

								DATE:					
Exhibit R-3 Cost Analysis (pa		T								Februar	y 200)2	
APPROPRIATION/BUDGET ACTIV	/ITY	PROGRAM I				PROJECT NU		NAME					
RDT&E, N / BA-5	-1		AV-8B AIRCRAI	FT	T	H0652 / AV-8				_		1	_
Cost Categories	Contract		Total	E)/ 04	FY 01	E) (00	FY 02	E)/ 00	FY 03	0		Total	T () (- 1
	Method & Type	Activity & Location	PY s Cost	FY 01 Cost	Award Date	FY 02 Cost	Award Date	FY 03 Cost	Award Date	Cost to Complete		Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	NAWC-WD CHINA LAKE		1		1.496	1	1.050	+		4.190		
			32.234			1.490	02/02	1.050	10/02				
Operational Test & Evaluation	WX	NAWC-WD CHINA LAKE	19.258	0.200	10/00						2.468	21.926	
Subtotal T&E			51.492	0.420	D	1.496	6	1.050	D		6.658	61.116	
Remarks:													
Contractor Engineering Support	RX	NAWC-AD PATUXENT RIV	46.324	0.125	10/00	0.125	02/02	0.12	5 10/02		0.350	47.049	
SBIR Assessment						0.806	6					0.806	
Subtotal Management			46.324	0.125	5	0.931	I	0.12	5		0.350	47.855	
Remarks:													
Total Cost			1,499.125	6.187	7	24.754	1	16.42	6	;	34.587	1,581.079	
Remarks:													

CLASSIFICATION:

	EXHIBIT R-2a,	RDT&E Pro	oject Justifica	tion				DATE:			
									Febr	uary 2002	
APPROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUME	BER AND NAM	IE	PROJECT NU	IMBER AND N	AME			
RDT&E, N / BA-5	B (OSCAR)										
Prior											Total
COST (\$ in Millions)	Year Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Program
Project Cost 109.582 21.947 5.969 2.139											139.637
RDT&E Articles Qty	DT&E Articles Qty										

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Program provides AV-8B Integration and Test of the following improvements, including: Open System Core Avionics Requirement (OSCAR), Joint Direct Attack Munition (JDAM), HAVEQUICK/SINCGARS, and Advanced Mission Computer (AMC). OSCAR is a form-fit-function replacement of the existing AV-8B mission and stores management computers that would capitalize on commercial-off-the-shelf hardware components and modular high order software language which will provide the necessary computer memory and throughput to integrate current modifications such as JDAM and HAVEQUICK/SINCGARS. On 7 Oct 96 ASN (RD&A) directed the Program Manager to proceed immediately with the OSCAR initiative. On 4 Sep 98, Special Assistant to ASN(RDA) approved OSCAR program restructuring with capitalization on the Advanced Mission Computer (AMC). The title of the Operational Flight Program (OFP) software development effort which integrates the Joint Direct Attack Munitions (JDAM) and HAVEQUICK/SINCGARS into the AV-8B was changed from C2.0 to OC 1.2 to reflect the change of effort in accordance with the ASN(RDA) approved AV-8B Open System Core Avionics Requirements (OSCAR) initiative. OSCAR completed first flight 29 May 1998. Successfully completed Iteration 4 and 5 flight testing and commenced Iteration 6 in first quarter FY01 for OC1.1. Starting flight testing of OC1.2 in fourth quarter of FY01 to continue through to third quarter FY02.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

- 1. FY 2001 ACCOMPLISHMENTS:
 - (U) (\$1.000) Continued integration and test software to the ARC-210 HAVEQUICK and SINCGARS waveform full functionality.
 - (U) (\$20.947) Continued the Open System Core Avionics Requirements (OSCAR) initiative replacing the Mission Computer and Stores Management System with Commercial components and continued the development of the common integrated Night Attack/Radar software to include integration of the 1000lb Joint Direct Attack Munitions (JDAM) weapon.
- 2. FY 2002 PLANS:
 - (U) (\$5.788) Continue the Open System Core Avionics Requirements (OSCAR) initiative replacing the Mission Computer and Stores Management System with Commercial components and continue development of the common integrated Night Attack/Radar software to include integration of the 1000lb Joint Direct Attack Munitions (JDAM) weapon.
 - -(U) (\$0.181) Portion of external program for Small Business innovation Research (SBIR) assessment in accordance with 15 USC 638
- 3. FY 2003 PLANS:
 - (U) (\$2.139) Continue the Open System Core Avionics Requirements (OSCAR) initiative replacing the Mission Computer and Stores Management System with Commercial components and continued development of the common integrated Night Attack/Radar software to include integration of the 1000lb Joint Direct Attack Munitions (JDAM) weapon.

CLASSIFICATION:

	EXHI	BIT R-2a, RDT&E Proj	ect Justifica	ation			D	ATE:	
									February 2002
APPROPRIATION/BU	DGET ACTIVITY	PROGRAM ELEM	IENT NUMBE	R AND NAME	F	PROJECT NUM	BER AND NAM	1E	
RDT&E, N /	BA-5	0604214N / AV-8E	B AIRCRAFT		H	12634 / AV-8B (OSCAR)		
(U) B. PROGRAM CH.	ANGE SUMMARY:				·				
· ,									
		FY2001	FY2002	FY2003					
(U) FY 2002 Presiden		22.466	6.021						
· , ,	the President's Budget:	-0.519 21.947	-0.052 5.969	2.139					
(U) FY 2003 Presiden	it's Budget Submit:								
CHANGE SUMMAR	Y EXPLANATION:								
// N. From allia an	. The EV 0004 decrees of \$0.5400	A	00714 (0	-II D i I	ti D		<u>-</u>	NA f	of an accionance and a cristian disc Nicola. The
	se of \$.052M is due to a net decreas					earch and a ded	rease or \$.152	iwi ior reprioritization	of requirements within the Navy. The
(U) Schedu	le: The FY2002 HW LRIP Decision	has slipped from 1Q to 2Q	due to testing	g delays.					
(U) Technica	I: The FY2002 decrease of \$0.182N	1 in the Development Test	t & Evaluation	(DT&E) is due	to the reduct	ion in Joint dire	ct Attack Munit	ion (JDAM) function	ality
,		·		,				,	•
(-)	RAM FUNDING SUMMARY:								
Line Item No.	<u>& Name</u>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete
APN BLI 0514	00, AV-8B Series Modifications	119.5	73.6	32.2	23.6	27.5	28.0	15.0	40.5
Related RDT&E: N/A									

CLASSIFICATION:

	EXHIBIT R-2a, RDT&E Project Justification	1	DATE:	
ADDRODDIATION/DUDGET ACTIVITY	V DDOODAM ELEMENT NUMBER AND NAME	IDDO ISOT NUMBER AND NAME	Februa	ary 2002
APPROPRIATION/BUDGET ACTIVITY		PROJECT NUMBER AND NAME		
RDT&E, N / BA-5	0604214N / AV-8B AIRCRAFT	H2634 / AV-8B (OSCAR)		
Mission System Computers and fourt on 16 December 1998. The period of As directed during 4 September 1998	PEO(A) ADM Ser DPEO(A)-ACQ2/015-97 dated 6 March first flight 29 May 1998. Using the NAWC-WD CPAF contrates Warfare Management Computer engineering models high figure performance will be for five years based on the need to compute the program restructuring, an ACAT redesignation letter was a RR-408 engine red stripe which resulted in a 5-month development.	act, funds will be used for basic design definiti ave been procured for laboratory and flight te implete Open System Core Avionics Requiren approved changing the OSCAR program from	on, drawing development, and OFP st. The NAWC-WD/Boeing follow-on nent (OSCAR) and begin follow-on an ACAT IVT program to an ACAT	development and test. Twelve on CPAF Contract was awarded software block upgrade H2.0. Il program. The schedule was
(U) E. SCHEDULE PROFILE:				
	FY 2001	FY 2002	<u>FY 2003</u>	TO COMPLETE
(U) Program Milestones		2Q/02 HW LRIP Decision	2Q/03 OC1.2 - MSIII	
(U) Engineering Milestones	3Q/01 Begin OC1.2 Integration	3Q/02 OC1.2 Integration Complete		
(U) T&E Milestones	4Q/01 Begin DT OC1.2	3Q/02 OC1.2 DT Complete 3Q/02 OC1.2 OTRR 4Q/02 Begin OT OC1.2	2Q/03 OC1.2 OT Complete	
(U) Contract Milestones			2000 00 112 0 1 00 11 110 110	
	D 4 QUODDING LIGT. II. A			

CLASSIFICATION:

Exhibit R-3 Cost Analysis	(nage 1)							DATE:		February	2002	
APPROPRIATION/BUDGET A	CTIVITY	PROGRAM E	LEMENT			PROJECT NU	JMBER AND I	NAME		i obi dai y	2002	
RDT&E, N / BA-5		0604214N / A	AV-8B AIRCRAF	-T		H2634 / AV-8						
Cost Categories	Method	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Systems Engineering	WX	NAWC-WD CHINA LAKE	30.369	8.848	10/00	0.667	02/02	0.443	10/02		40.327	
Systems Engineering	WX	NAWC-AD PAX RIVER	1.383	1.300	10/00	0.839	02/02				3.522	
Systems Engineering	Various	PMA-209	2.790	0.728	10/00	0.880	04/02				4.398	
Contracts	C/CPAF	Boeing, St Louis	53.094	8.660	10/00	0.658	03/02	0.683	10/02		63.095	63.095
Award Fees	C/CPAF	Boeing, St Louis	5.575	1.233	10/00	0.218	03/02	0.072	10/02		7.098	7.098
Contracts	RX	DCMC, Draper Laboratory	0.285								0.285	0.285
Contracts	RX	DCS/KMX Norfolk	0.111	0.295	10/00	0.075	11/01				0.481	0.481
Subtotal Product Development			93.607	21.064		3.337	,	1.198			119.206	
Remarks:	·		•		•		•					

CLASSIFICATION:

											DATE:				
Exhibit R-3 Cost Ar APPROPRIATION/BUI	alysis (page	: 1)											February 20	02	
APPROPRIATION/BUI	OGET ACTIVIT	Υ		PROGRAM E	LEMENT				PROJECT NU	IMBER AND N	IAME		_		
RDT&E, N /	BA-5			0604214N / A	V-8B AIRCRAF	-T			H2634 / AV-8	B (OSCAR)					
Cost Categories		Contract	Performing	•	Total		F	Y 01		FY 02		FY 03			
	ļ.	Method	Activity &			FY 01					FY 03	Award	Cost to	Total	Target Value
	i	& Type	Location		Cost	Cost		Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
Development Support Equ	uipment	Various	VARIOUS			0	0.094	10/00	0.037	04/02				0.13	
Integrated Logistics Supp	ort	Various	VARIOUS			0	.230	10/00	0.015	04/02				0.24	5
Configuration Managemen	nt N	Various	VARIOUS			C	0.143	10/00						0.143	3
Subtotal Support						C	0.467		0.052					0.519	9
''						!				!	•		-!	-!-	
Remarks:															

CLASSIFICATION:

								DATE:	DATE				
Exhibit R-3 Cost Analysis (page 2)							February 2002						
Exhibit R-3 Cost Analysis (page 2) APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT						PROJECT NUMBER AND NAME							
RDT&E, N / BA-5		0604214N / AV-8B AIRCRAFT					H2634 / AV-8B (OSCAR)						
Cost Categories	Contract	Performing	Total		FY 01		FY 02		FY 03				
	Method	Activity &	PY s	FY 01	Award	FY 02	Award	FY 03	Award	Cost to	Total	Target Value	
	& Type	Location	Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract	
Developmental Test & Evaluation	WX	NAWC-WD CHINA LAKE	13.472	0.22	8 10/00	1.0	39 03/02	0.941	10/02		15.730)	
Operational Test & Evaluation	WX	NAWC-WD CHINA LAKE	2.503	0.18	8 10/00	1.3	0 03/02				4.001	i	
Subtotal T&E			15.975	0.41	6	2.3	99	0.94	1		19.731	j	
Remarks:													
SBIR Assessment Subtotal Management						0.1					0.181		
Remarks:			109.582	21.94	7	5.9	59	2.13	ə		139.637	7	
Remarks:													